DEC 0 3 2004

DOCKET NO.: \$1448.70000US00

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:

Awad et al.

Serial No.:

09/925,194

Confirmation No.:

4327

Filed:

August 8, 2001

For:

METHOD AND APPARATUS FOR PROVIDING AN ERROR CHARACTERIZATION ESTIMATE OF AN

IMPULSE RESPONSE DERIVED USING LEASE

SQUARES

Examiner:

Chat C. Do

Art Unit:

2124

CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)

The undersigned hereby certifies that this document is being placed in the United States mail with first-class postage attached, addressed to MAIL STOP AMENDMENT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the 1st day of December 2004.

Doris A. Champagne

MAIL STOP AMENDMENT

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

STATEMENT FILED PURSUANT TO THE DUTY OF DISCLOSURE UNDER 37 CFR §§1.56, 1.97 AND 1.98

Sir:

Pursuant to the duty of disclosure under 37 C.F.R. §§1.56, 1.97 and 1.98, the Applicant requests consideration of this Supplemental Information Disclosure Statement.

PART I: Compliance with 37 C.F.R. §1.97

This Supplemental Information Disclosure Statement has been filed more than three months after the filing date of this application and after the mailing date of the first Office Action, but before the mailing date of either a final action under 37 C.F.R. §1.113 or a Notice of Allowance under 37 C.F.R. §1.311, or an action that otherwise closes prosecution in this application.

The fee of \$180.00 as set forth in 37 C.F.R. §1.17(p) is enclosed.

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PART II: Information Cited

The Applicant hereby makes of record in the above-identified application the information listed on the attached form PTO-1449 (modified). The order of presentation of the references should not be construed as an indication of the importance of the references.

PART III: Remarks

Documents cited anywhere in the Supplemental Information Disclosure Statement are enclosed unless otherwise indicated. It is respectfully requested that:

- 1. The Examiner consider completely the cited information, along with any other information, in reaching a determination concerning the patentability of the present claims;
- 2. The enclosed form PTO-1449 be signed by the Examiner to evidence that the cited information has been fully considered by the Patent and Trademark Office during the examination of this application;
- 3. The citations for the information be printed on any patent which issues from this application.

By submitting this Supplemental Information Disclosure Statement, the Applicant makes no representation that a search has been performed, of the extent of any search performed, or that more relevant information does not exist.

By submitting this Supplemental Information Disclosure Statement, the Applicant makes no representation that the information cited in the Statement is, or is considered to be, material to patentability as defined in 37 C.F.R. §1.56(b).

By submitting this Supplemental Information Disclosure Statement, the Applicant makes no representation that the information cited in the Statement is, or is considered to be, in fact, prior art as defined by 35 U.S.C. §102.

Notwithstanding any statements by the Applicant, the Examiner is urged to form his own conclusion regarding the relevance of the cited information.

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An early and favorable action is hereby requested.

Respectfully submitted, Awad et al., Applicant

By:

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Docket No.: S1448.70000US00

Date: December 1, 2004

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OPM PTO 1449/A and B (Modified)	APPLICATION NO.:	09/925,194	ATTY. DOCKET NO.: \$1448.70000US00	•
ORM PTO-1449/A and B (Modified) AUEY TO INFORMATION DISCLOSURE	FILING DATE:	August 8, 2001	CONFIRMATION NO.: 4327	
STATEMENT BY APPLICANT	APPLICANT:	Awad et al.		
Short I I as I I	GROUP ART UNIT:	2124	EXAMINER: Chat C. Do	

U.S. PATENT DOCUMENTS

Examiner's	Cite	U.S. Patent Document		Name of Patentee or Applicant of Cited	Date of Publication or of issue	
Initials	No.	Number	Kind December		of Cited Document MM-DD-YYYY	
		5,375,147		Awata et al.	12-1994	
		6,437,932	·	Prater et al.	08-2002	
		6,483,872		Nguyen, Thi N.	11-2002	

FOREIGN PATENT DOCUMENTS

Examiner's C	Cite	Foreign Patent Document		nent	Name of Patentee or Applicant of Cited	Date of Publication of	Translation
Initials	No.	Office/ Country	Number	Kind Code	Document (not necessary)	Cited Document MM-DD-YYYY	(Y/N)

OTHER ART — NON PATENT LITERATURE DOCUMENTS

Examiner's Initials	Cite No Include name of the author (in CAPITAL LETTERS) title of the article (when appropriate), title of the (book, magazine, journal, serial, symposium, catalog, etc.), date, relevant page(s), volume-issue numbe publisher, city and/or country where published.		Translation (Y/N)
		B. FARHANG-BOUROUJENY, Adaptive Filters; Theory and Applications, John Wiley & Sons, Ltd., Chapter 12, pp. 413-437	
		WILLIAM H. PRESS, Numerical Recipes in C: the Art of Scientific Computing, Cambridge University Press, Chapters 1-2, pp. 1-99	
		SANRO ZLOBEC, "Linear Predictive Spectral Shaping for Acoustical Echo Cancellation", Department of Electrical Engineering, McGill University, Montreal, Canada, November 1995	

EXAMINER:	DATE CONSIDERED:

#EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

[NOTE - The Office hereby waives the requirement under 37 CFR 1.98 (a)(2)(i) for submitting a copy of each cited U.S. patent and each U.S. patent application publication for all U.S. national patent applications filed after June 30, 2003 and for all international applications that have entered the national stage under 35 USC 371 after June 30, 2003. See 37 CFR 1.491(b). For all patent applications filed on or before June 30, 2003, copies of cited U.S. patents and patent application publications are still required unless an eIDS is filed. Copies of all other patent(s), publication(s), or other information listed must still be provided, even if it was previously submitted to, or cited by, the U.S. Patent Office in an earlier application, unless the earlier application is identified by the IDS and is relied upon for an earlier filing date under 35 U.S.C. §120, and the copy was provided in the earlier application.]

^{*}a copy of this reference is not provided as it was previously cited by or submitted to the office in a prior application, Serial No. ___, filed ___, and relied upon for an earlier filing date under 35 U.S.C. 120 (continuation, continuation-in-part, and divisional applications).